AMENDMENTS TO THE CLAIMS

The current status of all claims in the Application is as follows:

- 1. (CURRENTLY AMENDED) A ballast for a discharge lamp, comprising:
- a driver circuit;
- a timing circuit connected to said driver circuit:
- a resonant inverter connected to said driver circuit and having an output voltage; and
- a <u>voltage</u> feedback circuit that <u>provides a sinusoidal feedback signal into said</u> timing circuit for synchronization of said timing circuit, said feedback circuit connects the output voltage from of said resonant inverter to said timing circuit, said <u>voltage</u> feedback circuit including a phase shifting circuit that <u>attenuates and</u> selectively shifts a phase of the <u>an</u> output voltage from said resonant inverter.
- 2. (CURRENTLY AMENDED) The ballast of claim 1, wherein said phase shifting circuit comprises a further signal inverter connected to an input to said timing circuit.
- 3. (CURRENTLY AMENDED) The ballast of claim 2, wherein said feedback circuit further comprises an attenuation circuit that includes a capacitive divider connected between the output voltage and an input to said further signal inverter.
- 4. (ORIGINAL) The ballast of claim 1, wherein said phase shifting circuit comprises plural RC phase-shifting networks.

- 5. (ORIGINAL) The ballast of claim 4, wherein a first of said phase-shifting networks comprises a first capacitor coupled to the output voltage and a first resistor coupled to said driver, and a second of said phase-shifting networks comprises a second capacitor and resistive means coupled to said timing circuit, said second network being connected in parallel with said first resistor.
- 6. (ORIGINAL) The ballast of claim 5, wherein said resistive means comprises one of a resistor and anti-parallel diodes and is connected between said first resistor and said timing circuit.
- 7. (ORIGINAL) The ballast of claim 5, further comprising a third RC network that includes a switch that connects said third RC network to said timing circuit during starting of a lamp that includes the ballast.
- 8. (ORIGINAL) The ballast of claim 1, further comprising a switch operated by a pulse width modulation input and connected to said timing circuit.

9. (CURRENTLY AMENDED) A method of operating a ballast for a discharge lamp that includes a driver circuit, a timing circuit connected to the driver circuit, and a resonant inverter connected to the driver circuit and having an output voltage, the method comprising the steps of:

feeding back the an output voltage including a sinusoidal feedback signal from the resonant inverter to into the timing circuit for synchronization of said timing circuit; and attenuating and selectively shifting a phase of the output voltage being fed back from the resonant inverter.

- 10. (CURRENTLY AMENDED) The method of claim 9, further comprising the step of attenuating the fed back output voltage with a capacitive divider connected between the output voltage and the timing circuit.
- 11. (ORIGINAL) The method of claim 9, wherein the phase shifting step includes the step of phase shifting with plural RC phase-shifting networks.
- 12. (CURRENTLY AMENDED) The method of claim 11, wherein a first of the phase-shifting networks includes a first capacitor coupled to the output voltage and a first resistor coupled to the driver, and a second of the phase-shifting networks includes a second capacitor and resistive means coupled to the timing circuit, where the second network is connected in parallel with the first resistor.

- 13. (ORIGINAL) The method of claim 12, wherein the RC networks further include a third RC network that includes a switch and the method further comprises the step of connecting the third RC network to the timing circuit only during starting of a lamp that includes the ballast.
- 14. (ORIGINAL) The method of claim 9, further comprising the step of controlling the timing circuit with a switch operated by a pulse width modulation input during a dimming operation of a lamp that includes the ballast.